



ZEISS and Dacuda Enable Room-Scale Virtual Reality Games with Your Smartphone

Dacuda and ZEISS show the world's first room-scale VR experiences running on standard smartphones and the ZEISS VR ONE Plus headset at CES 2017.

Zürich, December 1st 2016 - Dacuda and ZEISS let you experience room-scale Virtual Reality (VR) with your smartphone. Dacuda's SLAM Scan® 3D engine brings 6DoF inside-out tracking to your smartphone. Thanks to the superior optics of the ZEISS VR ONE Plus headset, the quality of the virtual reality experience is similar to desktop VR headsets.

The ZEISS VR ONE Plus headset is carefully engineered to provide the best optics among mobile and desktop VR headsets. It features razor-sharp images across the entire visual field, works smoothly with eye glasses and is the only headset on the market that requires no configuration to one's individual interpupillary distance as its lenses are so well tuned. When combined with a recent smartphone, the pixel density exceeds the quality of the current desktop VR headsets.

"Phones are getting better and better at Virtual Reality", said Franz Troppenhagen, VR Product Manager at ZEISS, "Simply put your smartphone into a ZEISS VR ONE Plus Headset and experience truly immersive room-scale VR at a fraction of the cost of tethered Desktop VR headsets."

Dacuda has advanced their inside-out tracking engine to achieve an ultra-low 5ms algorithmic latency on standard iPhones. The CES demo at the ZEISS booth will showcase several mobile VR titles with room-scale VR. Dacuda currently collaborates with selected content studios to bring further room-scale VR titles to the market.

"In order to bring Virtual Reality from a niche to the masses, we have to provide entry-level solutions based on smartphones", said Dr. Alexander Ilic, CTO of Dacuda, "our approach demonstrates, that this is feasible without compromising on room-scale VR capabilities and thus a solution to further democratize the VR industry."

Dacuda licenses its 6DoF tracking technology to leading companies in the VR/AR space. A first commercial product is expected by Dacuda's lead customer MindMaze with further details expected by end of this year.

Booth Information: LVCC, South Hall 2 – 26429

About Dacuda AG

Dacuda is a computer vision company that redefines the capabilities of cameras with real-time 2D and 3D algorithms. As the leading pioneer in software 3D camera technology, Dacuda's mission is to bring 3D capturing to every consumer by making 3D content creation as easy as taking a video. Dacuda's software 3D camera helps scale existing 3D use cases to consumers with app-based scanning and enables novel experiences for Augmented and Virtual Reality headsets. Dacuda is headquartered in Zurich, Switzerland, with locations in Palo Alto, California and Shanghai, China.

About ZEISS

ZEISS is an internationally leading technology enterprise operating in the optics and optoelectronics industries. The ZEISS Group develops and distributes semiconductor manufacturing equipment, measuring technology, microscopes, medical technology, eyeglass lenses, camera and cine lenses, binoculars and planetarium technology. With its solutions, the company constantly advances the world of optics and helps shape technological progress. ZEISS is divided up into the four segments Semiconductor Manufacturing Technology, Research & Quality Technology, Medical Technology, and Vision Care/Consumer Optics. ZEISS is represented in over 40 countries and operates more than 30 production sites, over 50 sales and service locations and about 25 research and development facilities.

In fiscal year 2014/15 the company generated revenue approximating €4.5 billion with around 25,000 employees. Founded in 1846 in Jena, the company is headquartered in Oberkochen, Germany. Carl Zeiss AG is the strategic management holding company that manages the ZEISS Group. The company is wholly owned by the Carl Zeiss Stiftung (Carl Zeiss Foundation).

Further information at www.zeiss.com

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